

### **ABSTRACT OF THE DISCLOSURE**

Described is a method for managing multiple failures of different type in telecommunications networks with a ring topology, in particular four-fiber transoceanic MS-SPRING rings. The method is characterized by providing at least one additional event signalling bytes in the transmitted frames, the first pair of bytes being used for signalling events of a first type, whereas the at least one additional pair of bytes being used for signalling events of a second type. Typically, the first pair of bytes is exclusively used to signal ring (or span) events, whereas the additional pair of bytes is exclusively used to signal span (or ring) events.